How did the authors conduct this screen to identify genes that were required for resistance to ionizing radiation? Diagram and explain the experimental rationale for how they conducted their screen. Is this a ‘positive’ or ‘negative’ selection? Why?

Compare this strategy to that used in Harris 2009. If similar genes are found to exist in humans, how might those in the Harris 2009 study relate to the development of cancer in humans? How might those identified in this study relate to the development of cancer in humans?

Can you think of how any of the genes in either paper that might be exploited in to treat or cure cancers?